

## PAGE OF PAGES

**IMPORTANT:** Mark all packages and papers with contract and/or order numbers.

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**OPTIONAL FORM 347** (Rev. 2/2012)  
Prescribed by GSA/FAR 48 CFR 53.213(f)

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER  
06/06/2013

CONTRACT NO.  
EP-W-10-056

ORDER NO.  
0061

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	<p>reference.</p> <p>The Contractor shall perform services in accordance with the attached and incorporated Statement of Work (SOW) dated May 28, 2013 (4 pages) and the Contractor's proposal dated June 4, 2013 in the amount of \$97,383.00.</p> <p>The total task order obligation/funding ceiling is \$97,383.00, which the Contractor is not authorized to exceed. Any expenditure above this amount is at the Contractor's own risk. This task order is hereby fully funded.</p> <p>The total task order ceiling price for this order is \$97,383.00.</p> <p>This is a time-and-materials (T&amp;M) task order. Services rendered under this task order are for non-severable.</p> <p>This order is issued as a logical follow-on from task order no. 40 pursuant to the contract's terms and conditions under clause B.2 Ordering Procedures (b) (3).</p> <p>TOPO: Tiffany Kollar Max Expire Date: 04/30/2014 Admin Office: SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460 Period of Performance: 06/06/2013 to 04/30/2014</p>					
0001	<p>Continued Support for the Waste Reduction Model (WARM)</p> <p>Accounting Info: 13-14-B-31M-302DA2-2585---1331MRP011-0 01 BFY: 13 EFY: 14 Fund: B Budget Continued ...</p>				97,383.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$97,383.00

AUTHORIZED FOR LOCAL REPRODUCTION  
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 348 (Rev. 4/2006)

Prescribed by GSA FAR (48 CFR) 53.213(f)

ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION

PAGE NO

3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER  
06/06/2013

CONTRACT NO.  
EP-W-10-056

ORDER NO.  
0061

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Org: 31M Program (PRC): 302DA2 Budget (BOC): 2585 DCN - Line ID: 1331MRP011-001 Funding Flag: Complete Funded: \$97,383.00  The obligated amount of award: \$97,383.00. The total for this award is shown in box 17(i).					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

**Task Order Statement of Work**  
**Continued Support for the Waste Reduction Model (WARM)**  
**May 28, 2013**

**BACKGROUND**

The Resource Conservation and Sustainability Division (RCSD) was formed within the EPA's Office of Resource Conservation and Recovery to implement the national MSW strategy "The Solid Waste Dilemma: An Agenda for Action." RCSD is responsible for fostering integrated waste management (including waste prevention and recycling), developing State program approval procedures, assessing the status of State programs, and ensuring successful implementation of the entire MSW Program nationwide, in support of RCRA Subtitle D implementation.

To facilitate these activities,

Materials that enter the waste stream have energy impacts (and associated GHG emissions) at each stage of their life cycle. These life cycle stages include:

- acquisition of raw materials,
- processing raw materials,
- manufacture of products from processed materials,
- product use by consumers, and
- product disposal.

Waste reduction practices, such as recycling and reuse, reduce the demand for raw material and energy inputs to the manufacturing stage of the life cycle, thereby conserving energy and reducing GHG emissions. The energy savings and GHG emissions reductions associated with recycling are driven largely by the difference between manufacturing the material using virgin inputs and manufacturing the material using recycled inputs. Energy savings and GHG emissions reductions can also result from waste *disposal* practices, such as waste combustors and landfill gas to energy systems.

Since the energy implications of waste management practices for specific materials and products accrue throughout the life cycle, product-specific energy factors typically require a life-cycle analysis to quantify the benefits. The Waste Reduction Model (WARM) is an EPA tool that uses process energy and process non-energy GHG data from life cycle inventories to estimate the energy and GHG benefits of alternative waste disposal practices.

**PURPOSE AND OBJECTIVES**

The purpose of this task order is to provide support to ORCR's effort to quantify and articulate the important link between energy efficiency/climate change and management of materials,

through:

- Analysis of new life cycle data for materials already addressed in WARM,
- Generation of GHG emissions factors from those analyses,
- Analysis of life cycle data for materials not yet addressed in WARM,
- Generation of GHG emissions factors for those new materials,
- Maintenance of WARM (both model and documentation), and
- Providing stakeholder support as it relates to the other activities of this task order.

## **SCOPE OF WORK**

The Contractor shall have demonstrated experience and expertise in the development and use of WARM and related tools (ReCon, iWARM); in sources, production and use of life cycle inventory data; and outreach and communication with users of WARM.

The work to be completed and the schedule of deliverables are included in the tasks and subtasks detailed below.

### **TASK 1. PROGRAM SPECIFIC SUPPORT - ORCR HEADQUARTERS (Task 1 of Contract-level SOW)**

The Contractor shall provide technical assistance to the Agency's program to promote the reduction, reuse and recycling of waste through maintenance and enhancement of the Waste Reduction Model (WARM). WARM uses process energy and process non-energy GHG data from life cycle inventories to estimate the energy and GHG benefits of alternative waste disposal practices. The Contractor shall update WARM with new and/or updated material-specific LCI data for organics and landfill modeling numbers.

Review of the organics LCI data was initiated under a previous contract (EPA Contract No. EP-W-07-003, WA 3-64). A workshop was held in 2009 where experts from the field were brought in to discuss how WARM can better represent the benefits of composting, the Contractor will complete the data review, literature review and generate emissions factors suitable for use in WARM.

Review of the organics LCI data was also initiated in 2012 (EPA Contract No. EP-W-10-056, TO 40). This review was done for improving our food scraps category. In this review, 5 food pathways were chosen to add to the WARM model. The modeling of these pathways along will need to be completed and emission factors created for all of them.

Review of the landfill modeling numbers that WARM relies upon. In October 2011, we received a stakeholder request to review our landfill emissions factors and compare them with our combustion emission factors. This work is already underway and will continue into 2013.

The Contractor will update WARM and the WARM documentation with the revised emissions

factors.

The Contractor will prepare the annual WARM update to various factors in the model using current data sources: statistics on the carbon content of fuels, landfill methane generation distribution (by type of landfill), landfill gas recovery and flaring rates, and the non-biogenic carbon content of mixed MSW.

One update of WARM will be released, incorporating the new/revised emissions factors for organics, the updated factors for composting, combustion and landfilling. Updated documentation will be posted simultaneously with the release of the updated model. The update is targeted for late September 2013.

<b>DELIVERABLES</b>	<b>DUE DATES</b>
Revised Emissions Factors for Organics	December 13, 2013
Revised Calculations, Factors and/or Numbers for Composting	December 30, 2013
Revised Calculations, Factors and/or Numbers for Combustion and/or Landfills	February 7, 2014
Revised WARM documentation, incorporating new Emissions Factors	March 28, 2014
Update of WARM to Internet	April 25, 2014
Posting updated WARM documentation to Internet	No later than April 30, 2014

## **TASK 2. COMMUNICATIONS AND OUTREACH SUPPORT**

**(Task 3 of Contract-level SOW)**

The Contractor shall provide communications and outreach support to stakeholders on use of WARM and interpretation of results. These stakeholder contacts will be forwarded to the Contractor by the TOCOR or her designee, and will include e-mail and telephone requests. In addition, the contractor shall (at the request of the EPA TOCOR or her designee) provide support to EPA staff in proper application of WARM.

Each monthly progress report shall list the stakeholder support provided that month, including name, topic, and answer provided.

For the purposes of cost estimation, assume that 24 stakeholder/staff requests are sent to the Contractor for support.

<b>DELIVERABLES</b>	<b>DUE DATES</b>
Monthly report including name, topic, and answer provided.	Monthly

**Period of Performance**

The period of performance for this task order is expected to be from June 10, 2013 until April 30, 2014.

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 072648579		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0061	
				10B. DATED (SEE ITEM 13) 06/06/2013	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
See Schedule Net Decrease: -\$60,000.00

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

Task Order Title: Continued Support for Waste Reduction Model (WARM)

TOPO: Tiffany Kollar Max Expire Date: 04/30/2014

The purpose of this bilateral modification is as follows:

- 1) To deobligate funds in the amount of \$60,000.00 from DCN no. MRP011; and
- 2) To modify the obligation/funding ceiling.

The total obligation amount for the task order is hereby reduced by \$60,000.00. The total task order obligation amount is hereby \$37,383.00, which the Contractor is not authorized Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED



## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0061/001PAGE OF  
2 2NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>to exceed. Contractor expenditures beyond this ceiling are at their own risk.</p> <p>This task order is for non-severable services.</p> <p>All other terms and conditions remain unchanged.</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification : Funding Only Action</p> <p>Total Amount for this Modification: -\$60,000.00</p> <p>Obligated Amount for this Modification:</p> <p>-\$60,000.00</p> <p>New Total Obligated Amount for this Award:</p> <p>\$37,383.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed</p> <p>from \$97,383.00 to \$37,383.00</p> <p>Obligated Amount for this modification:</p> <p>-\$60,000.00</p> <p>CHANGES FOR ACCOUNTING CODE:</p> <p>13-14-B-31M-302DA2-2585---1331MRP011-001</p> <p>Amount changed from \$97,383.00 to \$37,383.00</p> <p>Payment:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center</p> <p>Mail Drop D143-02</p> <p>109 TW Alexander Drive</p> <p>Durham NC 27711</p> <p>FOB: Destination</p> <p>Period of Performance: 06/06/2013 to 04/30/2014</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 002		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-SRRPOD-13-00362	
6. ISSUED BY SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		7. ADMINISTERED BY (If other than Item 6)		5. PROJECT NO. (If applicable)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 072648579		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0061	
				10B. DATED (SEE ITEM 13) 06/06/2013	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$60,000.00  
See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

Task Order Title: Continued Support for Waste Reduction Model (WARM)

TOPO: Tiffany Kollar Max Expire Date: 04/30/2014

The purpose of this bilateral modificatoin is as follows:

- 1) To shift funds using DCN no. HMP006 from Task Order 44 (via modification 7) to this task order under contract number EP-W-10-056; and
- 2) To modify the total task order obligation/ceiling amount.

This modification shift funds in the amount of \$60,000.00 from DCN HMP006 from Task Order 44 to this task order under contract EP-W-10-056 .

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0061/002PAGE OF  
2 3NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>The total task order obligation/funding ceiling amount is hereby increased from \$37,383.00 by \$60,000.00 to \$97,383.00, which the Contractor is not authorized to exceed. The Contractor exceeds this amount at its own risk.</p> <p>All other terms and conditions remain unchanged.</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification : Funding Only Action</p> <p>Total Amount for this Modification: \$60,000.00</p> <p>New Total Amount for this Version: \$97,383.00</p> <p>New Total Amount for this Award: \$97,383.00</p> <p>Obligated Amount for this Modification: \$60,000.00</p> <p>New Total Obligated Amount for this Award: \$97,383.00</p> <p>Requisitioner changed from</p> <p>to Reconstruct User</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$37,383.00 to \$97,383.00</p> <p>Obligated Amount for this modification: \$60,000.00</p> <p>CHANGES FOR ACCOUNTING CODE:</p> <p>13-14-B-31M-302DA2-2585---1331MRP011-001</p> <p>Percent changed from 100 to 38.3876</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>12-13-B-31H-302DA1-2585---1231HMP006-001</p> <p>Beginning FiscalYear 12</p> <p>Ending Fiscal Year 13</p> <p>Fund (Appropriation) B</p> <p>Budget Organization 31H</p> <p>Program (PRC) 302DA1</p> <p>Budget (BOC) 2585</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 1231HMP006-001</p> <p>Quantity: 0</p> <p>Amount: \$60,000.00</p> <p>Percent: 61.6124</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (D143-02)</p> <p>Continued ...</p>				

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0061/002PAGE OF  
3 3NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	109 TW Alexander Drive Durham NC 27711  Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive Durham NC 27711 FOB: Destination Period of Performance: 06/06/2013 to 04/30/2014				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. 003		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See Schedule	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6)	
US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460					
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0061	
				10B. DATED (SEE ITEM 13) 06/06/2013	
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
See Schedule  
Net Increase: \$24,801.00

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE X	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. FAR 52.243-3 Changes--Time and Materials or Labor Hours (SEP 2000) (definitized change)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

Task Order Title: Continued Support for Waste Reduction Model (WARM)

TOPO: Tiffany Kollar Max Expire Date: 06/30/2014

The purpose of this bilateral modification is for the following:

- 1) Incorporate the revised statement of work (2 pages) dated January 23, 2014;
  - 2) Approve the Contractor's proposal dated January 30, 2014, in the amount of \$24,801.00;
  - 3) Extend the period of performance to June 30, 2014;
  - 4) Obligate funds in the amount of \$24,801.00;
  - 5) Modify the obligation/funding ceiling; and
- Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16C. DATE SIGNED 03/05/2014	

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0061/003PAGE OF  
2 7NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>6) Modify the task order ceiling price.</p> <p>This action adds funding in the amount of \$24,801 to this task order, and hereby increases the total obligated funding ceiling from \$97,383.00 to \$122,184.00, which the Contractor is not authorized to exceed. The Contractor exceeds this amount at their own risk. This task order is fully funded.</p> <p>The total ceiling price for this task order is hereby changes from \$97,383.00 to \$122,184.00.</p> <p>Contractor's Statement of Release:</p> <p>In consideration of the modification agreed to herein as a complete equitable adjustment for the Contractor's January 30, 2014, proposal which serves as a "proposal for adjustment," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the "proposal for adjustment."</p> <p>This is a non-severable task order.</p> <p>All other terms and conditions remain unchanged.</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification : Supplemental Agreement for work within scope</p> <p>Period Of Performance End Date changed from 2014-04-30 to 2014-06-30</p> <p>Total Amount for this Modification: \$24,801.00</p> <p>New Total Amount for this Version: \$122,184.00</p> <p>New Total Amount for this Award: \$122,184.00</p> <p>Obligated Amount for this Modification: \$24,801.00</p> <p>New Total Obligated Amount for this Award: \$122,184.00</p> <p>Incremental Funded Amount changed: from \$0.00 to \$122,184.00</p> <p>Maximum Potential Expiration Date changed to : 06/30/2014</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$97,383.00 to \$122,184.00</p> <p>Obligated Amount for this modification: \$24,801.00</p> <p>Continued ...</p>				

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0061/003PAGE OF  
3 7NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Incremental Funded Amount changed from \$0.00 to \$122,184.00</p> <p>CHANGES FOR DELIVERY LOCATION: HPOD RRB Amount changed from \$97,383.00 to \$122,184.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 14-15-B-09J2N-302DA2-2505---1409JR4513-001 Beginning FiscalYear 14 Ending Fiscal Year 15 Fund (Appropriation) B Budget Organization 09J2N Program (PRC) 302DA2 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1409JR4513-001 Quantity: 0 Amount: \$7,000.00 Percent: 5.72906 Subject To Funding: N Payment Address:</p> <p>CHANGES FOR ACCOUNTING CODE: 13-14-B-31M-302DA2-2585---1331MRP011-001 Percent changed from 38.3876 to 30.59566</p> <p>CHANGES FOR ACCOUNTING CODE: 12-13-B-31H-302DA1-2585---1231HMP006-001 Percent changed from 61.6124 to 49.10627</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 13-14-B-09J2N-302DA2-2505---1409JR4512-001 Beginning FiscalYear 13 Ending Fiscal Year 14 Fund (Appropriation) B Budget Organization 09J2N Program (PRC) 302DA2 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1409JR4512-001 Quantity: 0 Amount: \$5,000.00 Percent: 4.09219 Subject To Funding: N Payment Address: Continued ...</p>				

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>RTP Finance Center US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive Durham NC 27711</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 13-14-B-09J2N-302DA1-2505---1409JR4512-002 Beginning FiscalYear 13 Ending Fiscal Year 14 Fund (Appropriation) B Budget Organization 09J2N Program (PRC) 302DA1 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1409JR4512-002 Quantity: 0 Amount: \$11,935.00 Percent: 9.76805 Subject To Funding: N Payment Address:</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 13-14-B-09J2N-402C95-2505---1409JR4512-003 Beginning FiscalYear 13 Ending Fiscal Year 14 Fund (Appropriation) B Budget Organization 09J2N Program (PRC) 402C95 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1409JR4512-003 Quantity: 0 Amount: \$65.00 Percent: .0532 Subject To Funding: N Payment Address:</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 14-15-B-31M-302DA2-2585---1431MRP007-001 Beginning FiscalYear 14 Ending Fiscal Year 15 Continued ...</p>				



## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0061/003PAGE OF  
5 7NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Fund (Appropriation) B Budget Organization 31M Program (PRC) 302DA2 Budget (BOC) 2585 Job # (Site/Project) Cost Organization DCN-LineID 1431MRP007-001 Quantity: 0 Amount: \$801.00 Percent: .65557 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive Durham NC 27711  Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive Durham NC 27711 FOB: Destination Period of Performance: 06/06/2013 to 06/30/2014				

## **AMENDMENT #1**

### **Revised Task Order Statement of Work Continued Support for the Waste Reduction Model (WARM) January 23, 2014**

This is an amendment to the Statement of Work: Support for the Waste Reduction Model (WARM). This amendment clarifies work to be undertaken within "Task 1. Program Specific Support" to incorporate anaerobic digestion as an additional waste management pathway for organic materials in WARM, leveraging the existing efforts in this SOW to revise emission factors for organics and composting.

#### **BACKGROUND**

Products and materials have greenhouse gas emission impacts at each stage of their life cycle. These life cycle stages include:

- acquisition of raw materials,
- processing raw materials,
- manufacture of products from processed materials,
- product use by consumers, and
- disposal.

Waste reduction practices, such as reuse and recycling, reduce the demand for raw material and energy inputs to the manufacturing stage of the life cycle, thereby conserving energy and reducing GHG emissions. The energy savings and GHG emissions reductions associated with recycling are driven largely by the difference between manufacturing the material using virgin inputs and manufacturing the material using recycled inputs. Energy savings and GHG emissions reductions can also result from waste *disposal* practices, such as waste combustors and landfill gas to energy systems.

Since the energy implications of waste management practices for specific materials and products accrue throughout the life cycle, product-specific energy factors typically require a life-cycle analysis to quantify the benefits. The Waste Reduction Model (WARM) is an EPA tool that uses process energy and process non-energy GHG data from life cycle inventories to estimate the energy and GHG benefits of alternative waste disposal practices.

The purpose of this amended SOW is to provide support to EPA's effort to quantify and articulate the energy and GHG reduction benefits of using anaerobic digestion as a waste management option for organics.

#### **AMENDED TASK 1. PROGRAM SPECIFIC SUPPORT**

The Contractor shall provide technical assistance to the Agency's program to promote the reduction, reuse and recycling of waste through maintenance and enhancement of the Waste

Reduction Model (WARM). WARM uses process energy and process non-energy GHG data from life cycle inventories to estimate the energy and GHG benefits of alternative waste disposal practices. The Contractor shall update WARM to include anaerobic digestion as a waste management option, utilizing the work that has already been conducted within this SOW to revise the emission factors for organics.

The contractor shall use aggregated life-cycle inventory (LCI) data and shall develop GHG Master information and template for anaerobic digestion as a waste management option (for each category of organic material, but may be expanded to include all materials like in the Canadian version of WARM), in a manner consistent with that currently used to support WARM. This will be consistent with the Intergovernmental Panel on Climate Change guidance for estimating GHG emissions.

In conjunction with the existing schedule of planned updates, the Contractor will update WARM and the WARM documentation with the additional materials management option – anaerobic digestion.

<b>DELIVERABLES</b>	<b>DUE DATES</b>
Meeting with the EPA TOCOR and EPA staff	<b>WITHIN 3 WEEKS OF PROPOSAL APPROVAL</b>
to discuss the project and recommended approach	
Memo on the approach and incorporation of anaerobic digestion into WARM	<b>APRIL 1, 2014</b>
Revised Calculations, Factors and/or Numbers for anaerobic digestion	<b>JUNE 12, 2014</b>
Revised WARM documentation, incorporating	<b>TBD</b>



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE		PAGE OF PAGES 1 7		
2. AMENDMENT/MODIFICATION NO. 004		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-OSWER-14-00135		5. PROJECT NO. (If applicable)	
6. ISSUED BY SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		CODE SRRPOD		7. ADMINISTERED BY (If other than Item 6) CODE			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050				(X) 9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0061			
				10B. DATED (SEE ITEM 13) 06/06/2013			
CODE 072648579		FACILITY CODE					

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
See Schedule  
Net Increase: \$75,312.00

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE X	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. FAR 52.243-3 Changes--Time and Materials or Labor Hours (SEP 2000) (definitized change)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

Task Order Title: Continued Support for Waste Reduction Model (WARM)

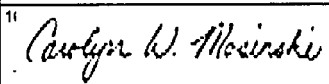
TOPO: Tiffany Kollar Max Expire Date: 10/31/2014

The purpose of this bilateral modification is to:

- 1) Incorporate the revised statement of work (4 pages) dated March 19, 2014;
- 2) Approve the Contractor's proposal dated March 27, 2014, in the amount of \$75,312.00;
- 3) Obligate funds in the amount of \$75,312.00;
- 4) Extend the period of performance until October 31, 2014;
- 5) Modify the obligation/funding ceiling; and
- 6) Modify the task order ceiling price.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Carolyn Mosinski	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	11  ELECTRONIC SIGNATURE	16C. DATE SIGNED 04/15/2014

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0061/004PAGE OF  
2 7NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>This action adds funding in the amount of \$75,312.00 to this task order and hereby increases the total overall ceiling from \$122,184.00 to \$197,496.00, which the Contractor is not authorized to exceed. The Contractor exceeds this amount at their own risk. This task order is fully funded.</p> <p>The total task order ceiling price for this task order is hereby changed from \$122,184.00 to \$197,496.00.</p> <p>Contractor's Statement of Release:</p> <p>In consideration of the modification agreed to herein as a complete equitable adjustment for the Contractor's March 27, 2014, proposal which serves as a "proposal for adjustment," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the "proposal for adjustment."</p> <p>This is a non-severable task order.</p> <p>All other terms and conditions remain unchanged.</p> <p>LIST OF CHANGES: Reason for Modification : Supplemental Agreement for work within scope Total Amount for this Modification: \$75,312.00 New Total Amount for this Version: \$197,496.00 New Total Amount for this Award: \$197,496.00 Obligated Amount for this Modification: \$75,312.00 New Total Obligated Amount for this Award: \$197,496.00 Incremental Funded Amount changed: from \$122,184.00 to \$197,496.00 CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$122,184.00 to \$197,496.00 Obligated Amount for this modification: \$75,312.00 Incremental Funded Amount changed from \$122,184.00 to \$197,496.00</p> <p>CHANGES FOR DELIVERY LOCATION: HPOD RRB Amount changed from \$122,184.00 to \$197,496.00</p> <p>Continued ...</p>				

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-10-056/0061/004	PAGE OF 3 7
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NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>CHANGES FOR ACCOUNTING CODE: 13-14-B-31M-302DA2-2585-1331MRP011-001 Percent changed from 30.59566 to 18.92848</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 14-15-B-31M-302DA2-2585-1431MRP007-001 Beginning FiscalYear 14 Ending Fiscal Year 15 Fund (Appropriation) B Budget Organization 31M Program (PRC) 302DA2 Budget (BOC) 2585 Job # (Site/Project) Cost Organization DCN-LineID 1431MRP007-001 Quantity: 0 Amount: \$75,312.00 Percent: 38.13343 Subject To Funding: N Payment Address:</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive Durham NC 27711</p> <p>FOB: Destination Period of Performance: 06/06/2013 to 10/31/2014</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 005		3. EFFECTIVE DATE 06/20/2014		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 072648579		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0061	
				10B. DATED (SEE ITEM 13) 06/06/2013	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

Task Order Title: Continued Support for Waste Reduction Model (WARM)

TOPO: Tiffany Kollar Max Expire Date: 10/31/2014

The purpose of this modification is to:

1) Make an administrative change (see below).

All other terms and conditions remain unchanged.

**LIST OF CHANGES:**

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Carolyn Mosinski	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. DATE SIGNED 06/20/2014	16C. DATE SIGNED 06/20/2014



<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-W-10-056/0061/005	2	2

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Reason for Modification : Other Administrative Action Total Amount for this Modification: \$0.00 New Total Amount for this Version: \$0.00 New Total Amount for this Award: \$197,496.00  Alternate COR/Project Officer changed to : Jenny Stephenson Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive Durham NC 27711 Period of Performance: 06/06/2013 to 10/31/2014				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 006		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6) CODE	
SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  ICF Incorporated, L.L.C. Attn: F. MICHAEL GRAY 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO.  9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0061 10B. DATED (SEE ITEM 13) 06/06/2013	
CODE 072648579		FACILITY CODE		11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS	

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

Task Order Title: Continued Support for Waste Reduction Model (WARM)

TOPO: Tiffany Kollar Max Expire Date: 11/21/2014

The purpose of this bilateral modification is to:

1) Extend the period of performance.

The period of performance end date for this task order is changed from October 31, 2014, to November 21, 2014. This period of performance extension is at no additional cost to the Government. This extension is due to delays beyond the contractor's control.  
Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Carolyn Mosinski	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. DATE SIGNED 10/30/2014	16C. DATE SIGNED

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-10-056/0061/006	PAGE OF 2 2
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NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>All other terms and conditions remain unchanged.</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification : Supplemental Agreement for work within scope</p> <p>Period Of Performance End Date changed from 2014-10-31 to 2014-11-21</p> <p>Maximum Potential Expiration Date changed to : 11/21/2014</p> <p>Payment:</p> <p>RTP Finance Center US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive Durham NC 27711</p> <p>Period of Performance: 06/06/2013 to 11/21/2014</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 007		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: F. MICHAEL GRAY 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 072648579		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0061	
				10B. DATED (SEE ITEM 13) 06/06/2013	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

Task Order Title: Continued Support for Waste Reduction Model (WARM)

TOPO: Tiffany Kollar Max Expire Date: 11/25/2014

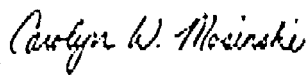
The purpose of this bilateral modification is to:

1) Extend the period of performance.

The period of performance end date for this task order is changed from November 21, 2014, to November 25, 2014. This period of performance extension is at no additional cost to the Government. This extension is due to delays beyond the contractor's control.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Carolyn Mosinski	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	11  ELECTRONIC SIGNATURE	16C. DATE SIGNED 11/17/2014

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0061/007PAGE OF  
2 2NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>All other terms and conditions remain unchanged.</p> <p>LIST OF CHANGES: Reason for Modification : Supplemental Agreement for work within scope Period Of Performance End Date changed from 2014-11-21 00:00:00 to 2014-11-25 00:00:00 Maximum Potential Expiration Date changed to : 11/25/2014 Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive Durham NC 27711 Period of Performance: 06/06/2013 to 11/25/2014</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 008		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: F. MICHAEL GRAY 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
9C. DATED (SEE ITEM 13)		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0061		10B. DATED (SEE ITEM 13) 06/06/2013	
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
See Schedule Net Decrease: -\$1,463.66

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds (APR 1984)

E. IMPORTANT: Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

Task Order Title: Continued Support for Waste Reduction Model (WARM)

TOCOR: Tiffany Kollar Max Expire Date: 11/25/2014

The purpose of this modification is to de-obligate funding in the amount of \$1,463.66 from this Task Order. The new total amount of funding obligated is now \$196,032.34. All services have been rendered and all invoices have been paid under this Task Order. These funds are no longer required.

**LIST OF CHANGES:**

Reason for Modification : Funding Only Action

Obligated Amount for this Modification: -\$1,463.66

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mark Heare	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0061/008PAGE OF  
2 2NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Incremental Funded Amount changed from \$197,496.00 to \$196,032.34  CHANGES FOR ACCOUNTING CODE: 14-15-B-31M-302DA2-2585-1431MRP007-001 Amount changed from \$76,113.00 to \$74,649.34  Delivery Location Code: HPOD RRB HPOD RRB US Environmental Protection Agency USEPA Ronald Reagan Building (RRB) 1300 Pennsylvania Avenue NW Washington dc 20004 USA  Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive Durham NC 27711 FOB: Destination Period of Performance: 06/06/2013 to 11/25/2014				